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GenCore version 5.1.3
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OM protein - nucleic search, using trame\_plus\_p2n model

January 16, 2003, 16-51-22; Search time 81 8571 Seconds (without alignments) 137.557 Million cell updates/see Pilin on:

US-09-856-070-18 24

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RLOSUM62 Scering table:

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Tetal number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DP seq length: 2000000000

Post-processing: Minimum Match 10% Maximum Match 100% Listing first 45 summaries

Command line parameters:

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1: /SIDSD/gradita/growskep/growskep cmb;/kalagg\_hate\*

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4: /SIDSD/gradita/growskepg cmb]/kAlagl\_hate\*

5: /SIDSJ/gradita/growskepg-emb]/kAlagl\_hate\*

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result being printed, Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being prin and is derived by analysis of the total score distribution.

Score   Match   Longth   DB   1D   Description	Score         Outry         MARINES         Description           24         100.0         22         22         AAC19425         Human Nomed           24         100.0         22         22         AAC19425         Human Nomed           24         100.0         56         22         AAC19425         Human Nomed           24         100.0         56         20         AAC19425         Human Nomed           24         100.0         56         20         AAC19425         Human Nomed           24         100.0         56         20         AAC19426         Glutch Human Nomed           24         100.0         56         20         AAC19426         Glutch Human Nomed           24         100.0         50         22         AAC1944         Human Nomed           24         100.0         90         22         AAC1944         Human Nomed           24				o*			SUMMARIES	
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13   24   100.0   96   22   AAK42778   Hitman Bunge   14   14   100.0   90   22   AAK3832   Probe #124   100.0   90   22   AAK3832   Probe #174   100.0   90   22   AAK3832   Probe #174   100.0   140   24   AAK72802   Hitman Secretion   140   26   140   27   AAK7302   Hitman Secretion   140   26   140   27   AAK78302   AAK78591   Hitman Secretion   150   24   100.0   26   24   24   100.0   26   27   24   24   24   26   27   27   27   27   27   27   27	13   24   100.0   96   22   ANE 4278   Hitman Bange   15   24   100.0   90   22   AAL 4884   Probe #174   17   24   100.0   90   22   AAL 4884   Probe #174   17   24   100.0   90   24   AAL 4984   Probe #174   17   24   100.0   90   24   AAL 4987   Hitman Secretary   100.0   130   24   AAL 40302   Hitman Secretary   100.0   130   24   AAL 40302   AAL		C#	77	00	06		AAK16994	brain e
14   24   100.0   90   22   AA/123532   Probe #1346	14   24   190.0   90   22   AA/123322   Probe #1346		;¥1	24	0.9	96 9		AAK42778	
15   24   100.0   90   22   AA19849   Probe #175     17   24   100.0   90   22   AA198175   Pumber group     18   24   100.0   140   20   AA192175   Pumber group     24   100.0   140   20   AAX540302   Pumber group     25   24   100.0   150   21   AA27429   Pumber immer secretary     27   27   27   27   27   27   27     28   24   200.0   200   21   AA27429   Pumber immer im	15   24   100.0   90   22   AA19849   Probe #175     100.0   90   22   AA19815   Probe #175     100.0   90   24   AA19317   Probe #175     100.0   140   20   AA250302   Probe #175     21   100.0   140   20   AAX50302   Probe #175     22   24   100.0   150   21   AA25159   Probe #178     23   24   100.0   200   21   AA78659   Probe #178     24   24   200.0   200   20   AA78659   Probe #138     24   24   200.0   200   20   AA78661   Probe #138     24   200.0   200   20   AA78661   Probe #138     24   24   200.0   251   20   AA79667   Probe #138     24   24   200.0   251   20   AA78661   Probe #138     24   24   200.0   301   22   AA8661   Probe #138     24   24   200.0   301   22   AA8661   Probe #138     24   24   200.0   301   22   AA8661   Probe #138     24   24   24   24   24   24   24     25   24   25   25   25   25   25     24   25   25   25   25   25   25     25   24   25   25   25   25     26   24   25   25   25   25     27   24   25   25   25     28   27   27   27   27     29   29   20   20   20     20   20   20   20		7.4	54	00	Û5		AAI23532	#13465 tor
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17   24   100.0   90   24   AB316827   Human genome     18   24   100.0   138   21   AAX40302   Human secretion     24   100.0   138   21   AAX40302   Human secretion     25   20   100.0   150   20   AAX90302   Human secretion     27   27   100.0   201   22   AAX76599   Human secretion     28   24   100.0   200   20   AAX76599   Human secretion     29   24   100.0   200   20   AAX76699   Human secretion     20   21   20   20   AAX76699   Human secretion     20   21   20   AAX90677   Human secretion     20   20   20   20   AAX90677   Human secretion     20   20   20   20   AAX90677   Human secretion     20   20   20   20   AAX90677   Human breath     21   22   23   24   20   AAX90677   Human breath     22   23   24   20   20   AAX90677   Human breath     24   26   26   27   27   AAX16754   Human breath     25   24   20   20   20   AAX16754   Human breath     26   27   27   AAX16754   Human breath     27   28   29   20   20   AAX16754   Human breath     28   29   20   20   20   AAX16754   Human breath     29   20   20   20   20   AAX16754   Human breath     20   20   20   20   20   AAX16754   Human breath     21   22   23   24   20   20   AAX16754   Human breath     22   23   24   20   25   25   25   25   25   25     24   20   20   20   20   20   20     25   26   26   27   27   27   27     26   27   27   27   27   27     27   27	17   24   100.0   50   24   AMR316827   Human gerong   19   24   100.0   138   21   AAC17201   Human secret   19   24   100.0   138   21   AAC17201   Human secret   20   24   100.0   152   20   AAC61599   AA		9.	Ğ	Ċ	4.5		AATSSTEG	page Sith#
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AANIQ529 Standard, NNA, 20 BP AADT0529; AAD10529/c PESULT 1

24 SEP 2031 (first eatry)

Human, ubjection protein lipse, WWEL, anticumeur, notifullaxmatery; therapy, infectio, lullammation, tomed. Chimerica antisense; physphorthicale backbone; ss. Hyman WWEl chimeric antisense cligeonelectide, iSIs #103626.

Homo sapiens. 

Synthetic.

Location/Qualifiers

Sequence 20 BP; 4 A; 8 C; 0 G; 8 T; 0 other;

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oliaconucleotides, which are targetted to nucleic acids encoding ubiquitin protein ligases WWP1 and WWP2. The artisense oligonucleotides modulate the expression of WWP1 and WWP2. The artisense oligonucleotides are useful for inhibiting the expression of ubiquitin protein ligases WWP1 and WWP2 in cells or lissues in vitro. The oligonucleotides are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      useful for diagnosing, freating diseases associated with the expression of ubiquitin protein ligases WWP1 and WWP2 and for prophylaxis e.g. to prover or delay infection, inflammation or tumnour formation and as a research reagon; the prosent sequence is a chimcoic antisense oligomoricotide with a phosphorothioate backbone which inhibits human
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                                                                                                            /noter "Phosphorothioate backbone"
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ubiquitin protein ligase WWP1 DNA expression.

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The present invention relates to a human homolog of brosophila suppressor of deliex (Su[dx]) coding sequence and protein (AAV50423 and AABS0049). The human homologs are useful for in vitro diagnosis or therapy of diagnosis or an analysis decapy of diagnosis and sa majoaenests, colon cancer, cervical cancer, breast cancer, squamcus adenocarchoma, seminoma, metanoma, lung cancer,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 dementia, cerebral autosomal dominant arteriopathy with sub-cortical infarters and loukoencephalopathy (CADSALL), wound healing, flowmaroid arthritis, vascular diseases such as arteriosclerosis. The present sequence is a PCR primer for the human homolog of Drosophila suppressor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Use of humologs of Dresephila Noteh regulator gene and encoded protein products and antibodies in diagnosis and therapy of breast cancer, anglogenesis and diseases associated with abnormal notch signaling.
                                                                                                                                                                                                                                                                                                                                                                      Human, anglogenesis, cancer, Drosophila suppressor of deltex: Su(dx); CADASIL, wound healing; rheumatoid arthritis; vascular disease:
                                                                                                                                                                                                                                                                                                                                         Human homolog of Drosophila suppressor of deltex PCP primer #2.
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Mismatches:
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Mismatches:
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                Length:
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                                                                                                                                                                                                                                                                                                                                                                                                     arteriosclerosis, PCR primer, ss.
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                                                             Best Local Similarity:
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Best Local Similarity:
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Alignment Scores:
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AAZ32614

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primer, used with a 3' primer (A7828618) to amplify the Tetre agency to primer, used with a 3' primer (A7828618) to amplify the Tetre agency to primer (B8934484 Al) for production of an ermC/Tetre fusion gene was then used in the construction of Staphylocoverys surene strains that ensitiutively express Tetre. O' Staphylocoverys surene strains that ensitiutively express Tetre. Novel nucleic acid replicens for Gram-positive bacteria comprising a gene of interest under the control of a letracycline-inducible productible product to characterise the expression of the gene of interest. The replices can be used for high level, inducible production of a gene product in Gram-positive bacteria. The gene expression is rightly repressed in the absence of tetracycline or an analysis of tetracycline. The systems can be used for the production of or analysis of the effects of gene products that may be toxic to the host calls. They can also be used for testing a polypeptide for a phenotypic right on bacterial cells. They can also be used in test animals for testing a function of production of the trients.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tetracycline, repressor: TetR: constitutive; plasmid; fusion gene; ermC: Gram positive, replicon, inducible, expression, plumoter; operator; characterisation; PCP: primer: ss.
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JS-00-856-070-18 (1-5) x AAC90425 (1-22)
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10-NOV-1998;
08-JAN-1999;
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14-SEP-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                            AAZ32614;
                                                                                                                                                                                                              RESULT 3
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Immunosuppressive, immunostimulatory; antiinilammatory; cytostatic; neutoprotective, antimicrobial, jene therapy, vaccine, amylase, cancer; amyloid protein; angiopoletin; apoptosis related protein; cadhorin; cyclin, polymerase, otcogene, histone, Kinase, ociony stimulating factor; complement related protein cytychrome; kinasin; cytykine; interfecon; interfecult; cycykine; interfecon; interfecult;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        diseases (e.g. rheumatoid arthritis, multiple scienosis, diabetes, systemic lupas enthineactose and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an intection of pathogenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present interition relates to eligonuclectides encoding polymorphic parlants of proteins related to amylases, amyloid proteins, andiopoletin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, historic, knases, colony simulating factors, complement related proteins, cytochromes, kinesins, cytokines, interferons, interleukins, of proteins, cytochromes, kinesins, cytokines, interferons, interleukins, on such cities to complement related proteins and thoesterases. The present sequence is one such original to expect to a symmetric protein to protein the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that hay be prevented, diagnosed and/or treated include multilactorial diseases with a genetic component, such as autoimmune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          multilactorial disease, autoimmune disease, infection, nervous system disease, ss.
                      Conservative:
                                         Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; Page 1513; 4143pp; English.
                                                                                                                           US-09-856-070-18 (1-5) x AAX32614 (1-34)
                                                                                                                                                                                                                                                                                                                                                                                                                       Human SNP oligonucleutide #426.
                                                                                                                                                                                                                                                                                            AAL27218 standard; DNA; 51 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-DKG-2000; 2000WO-US35498.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2/-DEM-1606; 2000HS-0173419.
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24.00
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                                                                                                                                                                                                                                                                                                                                                                             24-JAN-2002 (first entry)
                                                                                                                                                                                                          12 AAGGAGGAATIAATG 26
                                                                                                                                                                1 LysGludiaLeuMet 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Shimkets PA, Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-465210/50.
                                            Best Local Similarity:
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                   Percent Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-JUL-2001.
                                                                                                                                                                                                                                                                                                                                      AAL27218;
                                                             Query Match:
                                                                                                                                                                                                                                                    RESULT 4
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Sequence 51 HP; 25 A; 4 C; 16 G; 6 T; 0 other;

34

Sequence 34 BP; 13 A; 2 C; 9 G; 10 T; 0 other;

developing antibioties.

70.7

Alignment Scores.

Pred. No.:

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this sequence represents a glutathlone's transferase (GST) PCR primer, 157-4-57 (Total) ased with primer 2-48 (Total) (AAZ.2527) to amplify a GST gene from plasmid poEX 41-2. The GST gene was then used in the construction of a variety of movel nucleic acid replicons for the most five bacteria comprising a gene of interest (GST) under the control of a tetracycline-inducible promoteroperator region Such constitutively expresses the fel repressor (TetR) in order to teplicons were transformed into a strain of Staphylococcus aureus which constitutively expresses the fel repressor (TetR) in order to characterise gene expression. The replicons can be used for high-level, inducible production of a gene product in Gama-positive bacteria. The dene expression is fidthly reproduct in Gama-positive bacteria. The dene expression is fidthly reproduct. In Gama-positive bacteria. The dene capture of tetracycline or at analogue of tetracycline. The systems can be used for the production of a data data for the effects of gene products that may be toxic to the host cells. They can also be used in test
                                                                                                                                                                                                                                                                                                                                                                                                                   Tetracycline; repressor; TetR; constitutive; plasmid; fusion gene; Gram positive; replicon; inducible; expression; promoter; operator; quatathione-S-transferase; GST; characterisation; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New nucleic acid replicons for Gram-positive bacteria, used for production of gene products of interest, e.g. for developing
                                                                                                                                                                                                                                                                                                                                                                                   Glutathione-S-fransferase PCR primer #2-5'-GSI(TetR).
                  200000
                                                  Corserrative:
Mismatches:
                                      Matches:
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                                                                                       Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tally FP, Tac J, Shen X, 2hang J;
                                                                                                                                        US-09-856-070-18 (1-5) x AAL27218 (1-51)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 2: Page 22; 60pp: English.
                                                                                                                                                                                                                                                                               AAZ 12626 standard; DNA; 56 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99WO-US08155.
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                                                                                                                                                                                           30 AAGGAAGAGCTAATG 44
                                                                                                                                                                          1 Lyschudlut.cuMet 5
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                                                                 Best Local Similarity:
                                                    Percent Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       W09954079-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-APR-1999;
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Aliqument Scores:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-001-1999.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                 AA2 12626;
                                                                                       Query Match:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10 - NOV
                  Pred. No.:
                                                                                                                                                                                                                                            RESULT 5
                                                                                                                                                                                                                                                                AAZ 12626
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This oligonucleotide can be used to construct a synthetic promoter region that contains two diverging transcription initiation signals, oligonucleotides AAX89726 to AAX89730 plus AAX89732 are also used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The methods can be used tof identifying which microbial genes are targets for inhibition by antibiotics. The microbes may be bacteria, e.g. Staphylococcus aureus virus, lower eukaryotes or yeast.
animals for testing a fusion polypeptide for inhibition of growth of
bacterial cells, for developing antibiotics.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                production of the promoter. This stage is part of the method for identifying microbial genes as \frac{1}{2} \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLQ469 Synthetic oligoruclectide for PCR or cassette construction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Characterization of microbial genes, used for identifying genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          primer; PCR; cassette construction; recombination; plasmid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gene regulation; tetracycline; infection; microbe; ss.
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Mismatches:
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                                                                                                                                                                                           Sequence 56 BP; 20 A; 6 C; 15 G; 15 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 60 MP; 25 A; 7 C; 11 G; 17 T; 0 other;
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Indels:
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Matches:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps:
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100.00%
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Query Match:
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                                                                                                                                                                                                                                                                                                                       Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Aliqnment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-JUL-1999.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAX89727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score:
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misc_RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AHA50681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The methods can be used for identifying which microbial genes are targets for inhibition by antibiotics. The microbes may be bacteria,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       region that contains two diverging transcription initiation signals. Oliqonucleotides AAX89727 to AAX89730 plus AAX89732 are also used in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This stage is part of the method for identifying microbial genes as possible antimicrobial targets.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This oligonuclectide can be used to construct a synthetic promoter
                                                                                                                                                                                                     CLQ468 Synthetic oligonucleotide for PCR or cassette construction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Characterization of microbial genes, used for identifying genes which are targets for inhibition by antibiotics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           e.q. Staphylococcus aureus virus, lower cukaryotes or yeast.
                                                                                                                                                                                                                                    primer; PCR, cassette construction; recombination; plasmid; gene regulation; tetracycline; infection; microbe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 62 BP; 17 A, 12 C, 7 G; 26 T, 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length:
Matches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-856-070-18 (1-5) x AAX89726 (1-62)
US-09-856-070-18 (1-5) x AAX89727 (1-60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure, Page 29; 92pp; English.
                                                                                                                  AAX89726 standard; DNA; 62 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAQ11699 standard; DNA; 77 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                             (PHAA ) PHARMACIA & UPJOHN CO.
                                                                                                                                                                                                                                                                                                                                                                                                 98US-0071640.
                                                                                                                                                                                                                                                                                                                                                                    99WO-USO0371.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    production of the promoter.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24.00
100.00%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.00%
                                                                                                                                                                         19-OCI-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-JUN-1991 (first entry)
                                                       42 AAGGAGGAATTAATG 56
                             1 LysGluGluLeuMet 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 LysGluGluLeuMet 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   111111111111111 23 AAGGAGGAATTAATG 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-444407/37
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ford CW, Quinn CL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Percent Similarity
                                                                                                                                                                                                                                                                                                         W09936554-A1.
                                                                                                                                                                                                                                  primer, PCR.
                                                                                                                                                                                                                                                                                                                                                                    12-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                 16-JAN-1998;
                                                                                                                                                                                                                                                                                                                                        22-JUL-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Alignment Scores:
                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                               AAX89726;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AA011699;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rest Local
                                                                                                  AAX89726/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAQ11699/c
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                                                                                    RESULT 7
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has been adapted for expression in Bacillus cells. It is a fragment of the regulatable expression vectors pWH350, -552 and -353. In the latter it is linked to a 2nd adapted xylose-isomerase resistance promoter (xyle). It is used in the construction of the requiatable expression vertors pWH353 and pWH344 which comprise (a) the retracycline repressor gene (teths); (b) this Bacillus adapted telp-promoter sequence; (c) an adapted xylose-isomerase promoter sequence; (c) an adapted xylose-isomerase promoter sequence (teto) on adapted xylose-isomerase promoter sequence (teto) between the consensus regions of xyle. These constructs are used for inducible over expression of proteins in Bacillus hosts. The 5' end of the complementary strand and the 5' end of the complementary strand and the 5' end of the complementary strand on this sense strand, by CTAG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This is a tetracycline repressor (tetR) promoter sequence, MGXXX which
Bacillus adapted tetracycline repressor promoter sequence (MGXXX).
                                                           Tetracycline repressor, tets promoter, xyluse isometase promoter; tet operator, ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vector for inducible protein over-expression in Bacillus · has
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; microarray, single exon probe; gene expression; breast;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tetracycline repressor gene and its adapted promoter, xylose isomerase promoter and tetracycline operator sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human breast cell single exon nucleic acid probe #9376.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               77
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Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 77 BP; 19 A, 18 C, 4 G, 35 T, 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length:
Matches:
                                                                                                                                                                                                                                                    /label= tet-operator 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-U9-856-0/0-18 (1-5) x AAQ11699 (1-77)
                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             See also AAQ11697-98 and AAQ11700.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; fig 8; 16pp; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABA50681 standard; DNA; 90 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                              89DE-3934454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.00%
100.00%
100.00%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hillen W, Geissendorfer M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-FEB-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (MERE ) MERCK PATENT GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23 AAGGAGGAATTAATG 9
                                                                                                                                                                                  33..51
                                                                                                                                                                                                                       /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1991-118470/17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loral Similarity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Percent Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                          14-OCT-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14 OCT-1989,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Aliqnment Scores:
                                                                                                                                                                                                                                                                                                                   DE3934454-A
                                                                                                                                                                                                                                                                                                                                                                           18-APR-1991
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Human foctal liver single exon nucleic acid probe #16951.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Percent Similarity.
                                                                                                                                                                                                     63-AUG-2000;
21 SEP 2000;
27-SEP-2000;
                                                       Homo sapiens
                                                                                                                                     30 JAN 2001,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                04-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Alignment Scores:
                                                                                                                                                                             26 MAY 2000;
                                                                                                                                                                                                                                               04-0CT-2000;
                                                                                                            29-ATG-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABA35614;
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  nucleic acid probes for measuring gene expression in a sample derived from Muman breast and BT 474 cells. The method involves contacting the probes will a collection of detectably labelled nucleic acids derived from mRNA of human breast, and then measuring the label bound to each probe of the microarray. The probes are useful for verifying the expression of the microarray of genemic bNA predicted to encode proteins. They are useful for gene discovery, and for encode proteins. They are useful for gene discovery, and for determining predisposition and/or promosing breast disease, dene expression and succession and for deases and for chemical agents on cells. The microarray of this invention presents a far greater
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     than expressed sequence tag microarrays. The method is suitable for rapid production of functional information from genomic sequence. The present sequence is a single exon nucleir acid probe of the invention Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diversity of probes for measuring gene expression, with far less bias
                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to a spatially addressable set of single exon
                                                                                                                                                                                                                                                                                                                                          useful for measuring gone expression in sample derived from human
                                                                                                                                                                                                                                                                                                                          New spatially-addressable set of single exem nycleic acid probes.
                                                                                                                                                                                                                                                                                                                                                     breast, comprises number of single exon nucleic acid probes
                                                                                                                                                                                                                                                                                                                                                                               Claim 4; SEQ ID NO 9376; 327pp + sequence listing, English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 90 HP; 36 A; 17 C; 18 G; 19 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative:
Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches:
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                                                                                                                                                                                                                                                                        Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US 09 856-070-18 (1-5) x ABA50681 (1-90)
                                                                                                                                                                                                                                             (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                       Penn SG, Hanzel DK, Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABA68646 standard; DNA; 90 BP.
                                                                                                                                               20000US - 0207456.
2000US - 0608408
2000US - 0632366
                                                                                                          40-JAN-2001; 2001WO-US00662.
                                                                                                                                    200000S-0180312.
                                                                                                                                                                                      200008-0234687
200008-0236359
                                                                                                                                                                                                                  200003-0024263
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100.00%
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 LysGluGluLeuMet 5
                                                                                                                                                                                                                                                                                                 WPI; 2001-496933754.
disease; cancer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rost Local Similarity:
                                                    WO200157271-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Percent Similarity:
                           Homo sapiens.
                                                                                                                                                                                       27 - SPP - 2000;
                                                                                                                                               26-MAY-2000;
30-JUN-2000;
                                                                                                                                                                                                                  04-0CT-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Aliqument Scores:
Pred. No.:
                                                                                                                                    04-FEB-2000;
                                                                                                                                                                            03-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01 - FEB - 2002
                                                                               09 - AUG - 2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABA68646;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 10
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Human; foetal liver, gene expression, single exon nucleic acid probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      necessing human gene expression in a sample derived from human toetal liver. The single exon nucleic acid probes may be used for predicting, measuring and displaying gene expression in samples derived from human fetal liver. The present sequence is a single exon nucleic acid nuce; invention for this patent did not form part of the printed specification, but was obtained in electronic format directly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Probe #14080 for yene expression analysis in human heart cell sample.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human, gene expression, heart, microarray, vascular system, probe-
cardiovascular disease, hypertension, cardiac arrhythmia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human fetal liver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a single exon nucleic acid probe for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 4; SEQ ID NO 16951; 639pp + sequence listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         from WIPo at itp.wipo.int/pub/published_pct_sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Penn SG, Hanzel DK, Chen W, Rank DR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-856-070-18 (1-5) x ABA68646 (1-90)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (MOLE-) MOLECULAR DYNAMICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABA35614 standard; DNA; 90 RP
                                                                                                                                                                                                                                                                                                                                                             20030S-0632366,
20000S-0234687,
20000S-0236359,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         congenital heart disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 2000GB-0024263.
                                                                                                                                                                                                                                                                                 2000US-0180312.
                                                                                                                                                                                                                          2001WO-US00669
                                                                                                                                                                                                                                                                                                        2000US-0207456.
2000US-0608408.
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Query Match:
                                                                                                              W0200157277 A2.
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from the human heart via microarrays. By measuring gene expression, the probes are useful for predicting, diagnosing, grading, staging, monitoring and prognosing diseases of the human heart and vascular system
                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to single exon nucleic acid probes for measuring human gene expression in a sample derived from human heart. The present sequence is one such probe. The probes may be used for predicting, measuring and displaying gene expression in samples derived
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       congenital heart disease.
Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic formal directly from Wiley at Ltp.Wipe int/pub/published_pel_sequences
                                                                                                                                                                                                                                                                                                 Single exon nucleic acid probes for analyzing gene expression in human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; brain expressed exon; gene expression analysis; probe; microarray, Alzheimer's disease, multiple seletosis, schizophrenia; epilepsy; cancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             e.g. cardiovascular disease, hypertension, cardiac arrhythmias and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human brain expressed single exon probe SEQ 1D NO: 16985.
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Mismatches:
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Matches:
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                                                                                                                                                                                                                                       Rank DR.
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                                                                                                                                                                                                          (MOLE-) MOLECULAR DYNAMICS INC.
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                                                                                  2000ms-0180212
2000ms-0.07444
2000ms-0608408
                                                                                                                                                                20000US 0236359.
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WO200157274-A2
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                                                                                                   26-MAY-2000;
30-JUN-2000;
03 AFG-2000;
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04-00T-2000;
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probes which are derived from genomic sequences expressed in the human brain. They can be used to measure gene expression in brain cell samples, which may enable the diagnosis and improved treatment of percess system.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    diseases such as Alzheimer's disease, multiple selecais, schizophrenia, epicepsy and cancers. The present sequence is one of the probes of the invention.
                                                                                                                                                                                                                                                                                                                                                                              Single exon nucleic acid probes for analyzing gene expression in human
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 4; SEQ ID NO: 16985; 650pp + Sequence Listing; English.
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                                       legents ole6312,
legents ole7456,
20000S-0608408,
                                                                                                                                     SEF 2005, 2000US 0234687.
SRP 2000, 2000US 0236359.
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2000US-0608408.
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21-SEP-2000) 2000US-0234687.
27-SEP-2000; 2000US-0236359.
                                                                                                                 2000018-9632366.
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30-JAN-2001; Z001WO-HS00667,
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30-JUN-2000;
                                                                  26 MAY - 2000;
30-JUN-2000;
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AA148849
                                                                                                                                                                                                                                                                                                               Score:
                                                                                                                                                                                                                                                                      samples, which may enable the improved diagnosis and treatment of cancers such as lymphoma, leakacoid and divelome. The present sequence is one of the probes of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Probe #1465 for gene expression analysis in human cervical cell sample.
                                                                                                                                                                                                                                         probes which are derived from denomic sequences expressed in the human bone marrow. They can be used to measure gene expression in bone marrow
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                                                                                                                                                                                                                        The present invention provides a number of single exon nucleic acid
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analyzing gene expression in human cervical epithelial cells
                                                                                                                                       Human genome-derived single exem nucleic acid probes useful for
                                                                                                                                                                                          Example 4: SEQ ID No: 17335; 658pp + Sequence Listing, English.
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Mismatches:
Indels:
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                                                                                                                                                         analyzing gene expression in haman bene marrow
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                                  (MOLE:) MOLECULAR DYNAMICS INC
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                                                                    Penn SG, Hanzel DK, Chen W,
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2000US-0236359.
04-00T 2000; 2000GB 0024263.
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2000US-0608408.
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                                                                                                     WPI; 2001-488900/53.
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27 - SEP - 2000;
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The present invention relates to human single exon nucleic acid probes (SENP). The present sequence is one such probe. The SENPs are derived from human HeLa cells. The SENPs can be used to produce a single exon microarray, which can be used for measuring human quere expression in a sample derived from human cervical epithelial cells. By measuring quue expression, the probes are therefore useful in grading and/or staging of diseases of the cervix, notably pervical cancer. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WiPo specification, but was obtained in electronic format directly from WiPo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Probe #17535 used to measure gene expression in human placenta sample.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Probe; microarray; human; placenta; antenatal diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 90 HP; 36 A; 17 C; 18 G; 19 T; 0 other;
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Mismatches:
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                                                                                                                                                                                                                                                                                                                                                 at itp.wipo.int/pub/published_pet_sequences.
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Matches:
Claim 25; SEQ ID No 13465; 487pp; English.
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26-MAY-2000; 2000US-0207456;
30-JUN-2000; 2000US-0608408;
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2000US-0234687.
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Query Match:
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21-SEP-2000;
27-SEP-2000;
04-0CT-2000;
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30-JUN-2000;
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expression in samples derived from human placenta. The probes are useful for antenatal diagnosis of  $\lambda$  and genetic disorders.

Sequence 90 BP: 36 A; 17 C; 18 G; 19 T; 0 other;

00000 Length:
Matches:
Conservative:
Mismatches:
Indels:
Gaps: Alignment Scores: 205
Score: 24.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
DB: 22

US-09-856-070-18 (1-5) x AA148849 (1-90)

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Search completed: January 16, 2003, 17:19:39 Job time : 83.9821 secs

